

## Recombinant Human CYP19A1 protein, His-tagged

**Cat. No.** CYP19A1-0938H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CYP19A1 protein(1-503aa)(P11511), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-503aa
<b>Form</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Molecular Mass</b>	62.0 kDa
<b>AA Sequence</b>	<p>MVLEMLNPIHYNITSIVPEAMPAATMPVLLLTGLFLLVWNYEGTSSIPGPGYCMGIGP  LISHGRFLWMGIGSACNYNRVYGEFMRVWISGEETLIISKSSSMFHIMKHNNHYSSR  FGSKLGLQCIGMHEKGIIFNNNPWLKTRPFFMKALSGPGLVRMVTVCAESLKTHL  DRLEEVTNESGYVDVLTLLRRVMDLTSNTLFLRIPLDESAIVVKIQGYFDAWQALLIKP  DIFFKISWLYKKYEKSVKDLKDAIEVLIAEKRRRISTEEKLEECMDFATELILAEKRGDL  TRENVNQCILEMLIAAPDTMSVSLFFMLFLIAKHPNVVEEAIKEIQTVIGERDIKIDDIQKL  KVMENFIYESMRYQPVDLVMRKALEDDVIDGYPVKKGTNIILNIGRMHRLEFFPKPN  EFTLENFAKNVPYRYFQPFQFGPRGCAGKYIAMVMMKAILVTLLRRFHVKTLLQGQC  VESIQKIHDLSLHPDETKNMLEMIFTPRNSDRCLEH</p>

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<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Storage</b>	Store at -20°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

## GENE INFORMATION

<b>Gene Name</b>	CYP19A1 cytochrome P450, family 19, subfamily A, polypeptide 1 [ Homo sapiens ]
<b>Official Symbol</b>	CYP19A1
<b>Synonyms</b>	CYP19A1; cytochrome P450, family 19, subfamily A, polypeptide 1; CYP19, cytochrome P450, subfamily XIX (aromatization of androgens); cytochrome P450 19A1; ARO; ARO1; aromatase; CPV1; CYAR; P 450AROM; estrogen synthase; estrogen synthetase; cytochrome P-450AROM; microsomal monooxygenase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily XIX (aromatization of androgens); CYP19; CYPXIX; P-450AROM; MGC104309;
<b>Gene ID</b>	1588
<b>mRNA Refseq</b>	NM_000103
<b>Protein Refseq</b>	NP_000094
<b>MIM</b>	107910
<b>UniProt ID</b>	P11511

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